

Figure 1

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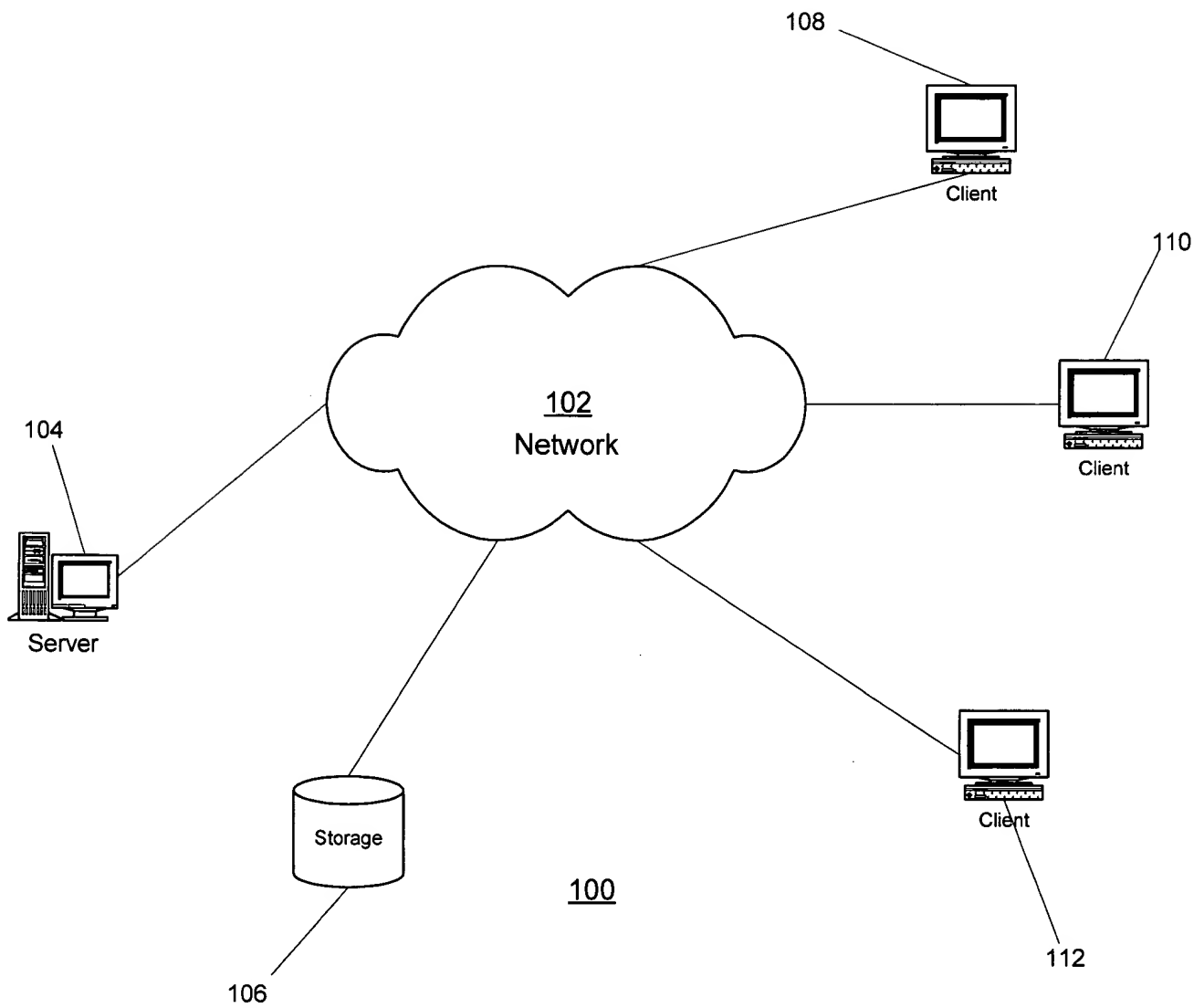
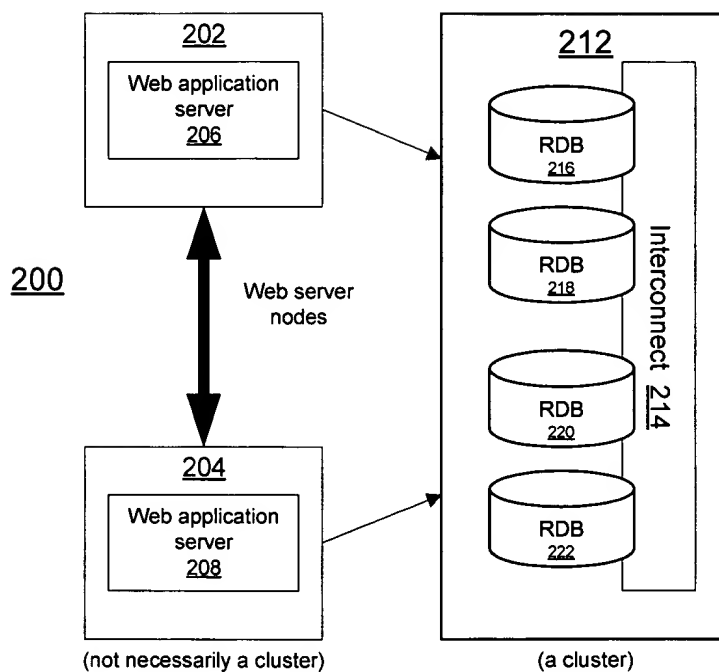


Figure 2

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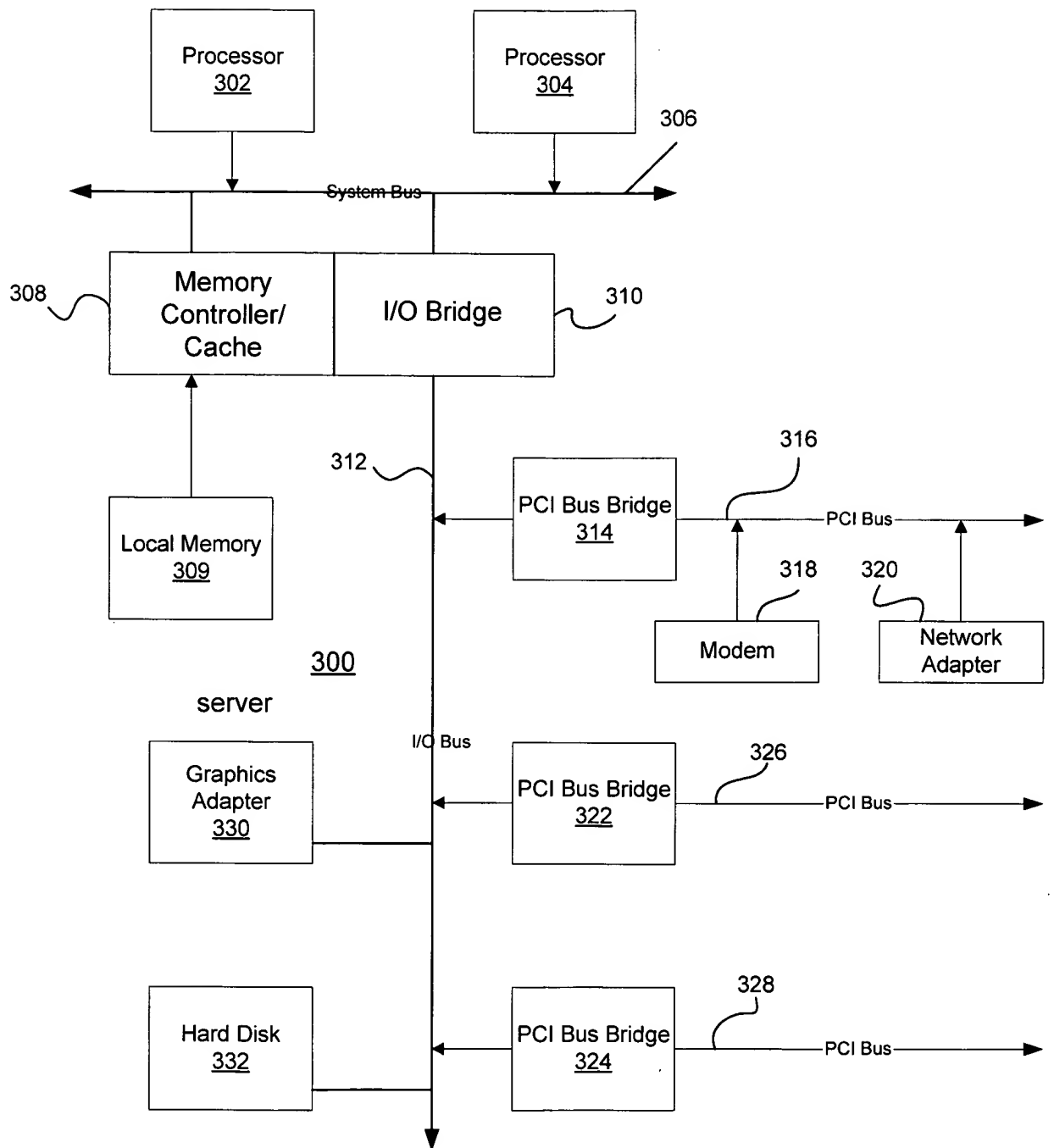


Figure 3

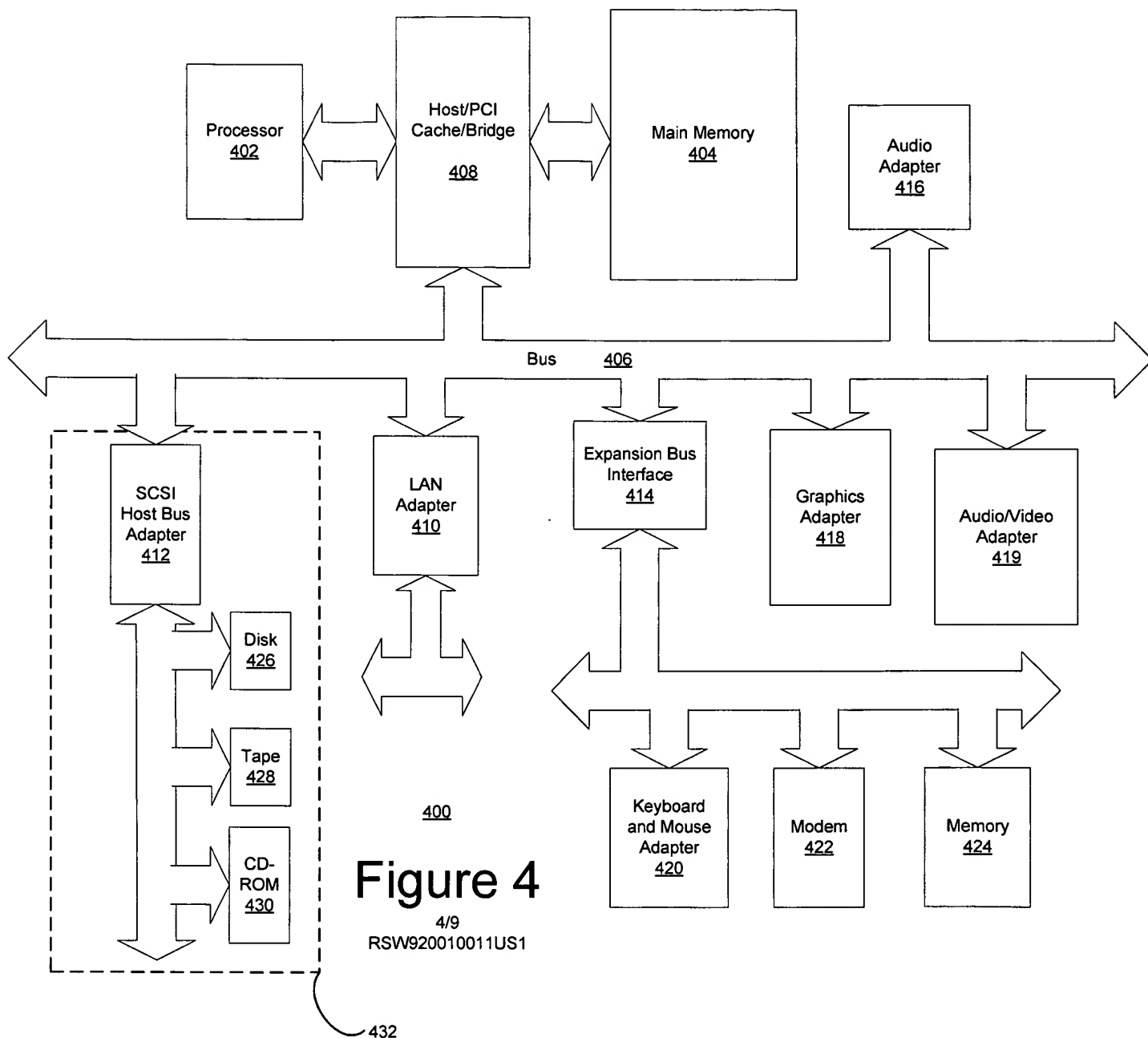


Figure 5

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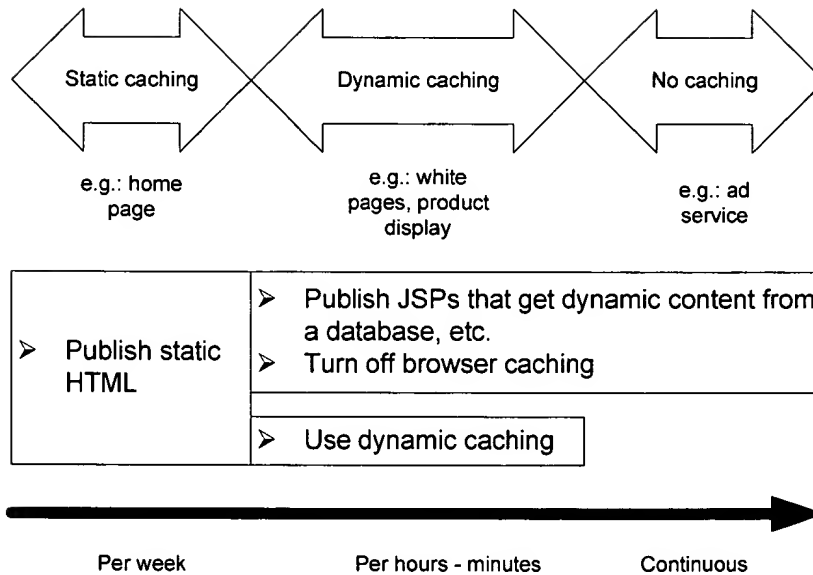
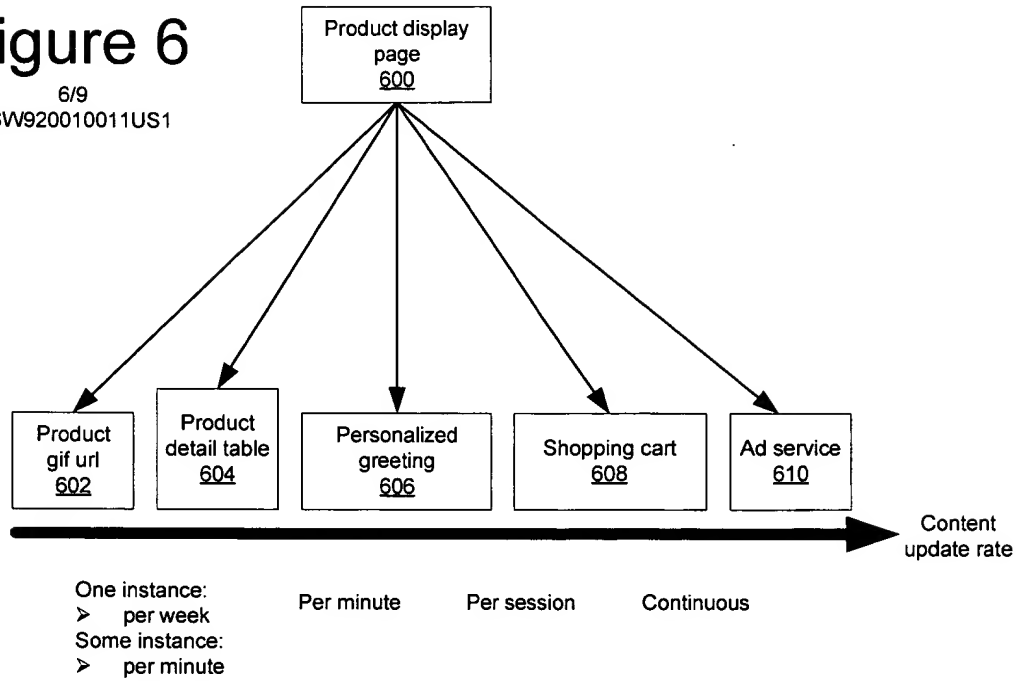


Figure 6

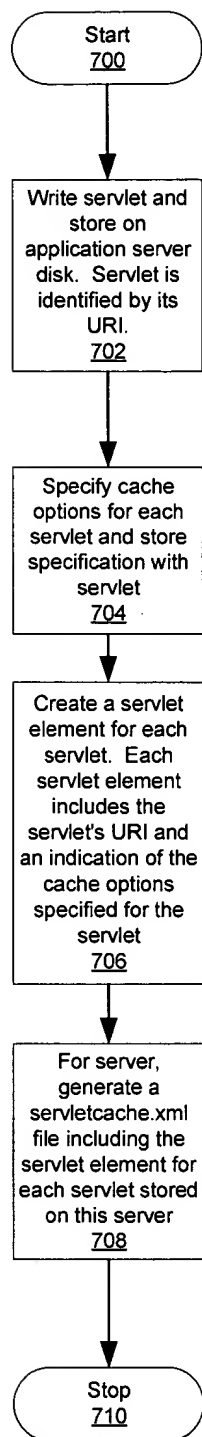
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Product display page 600

Figure 7

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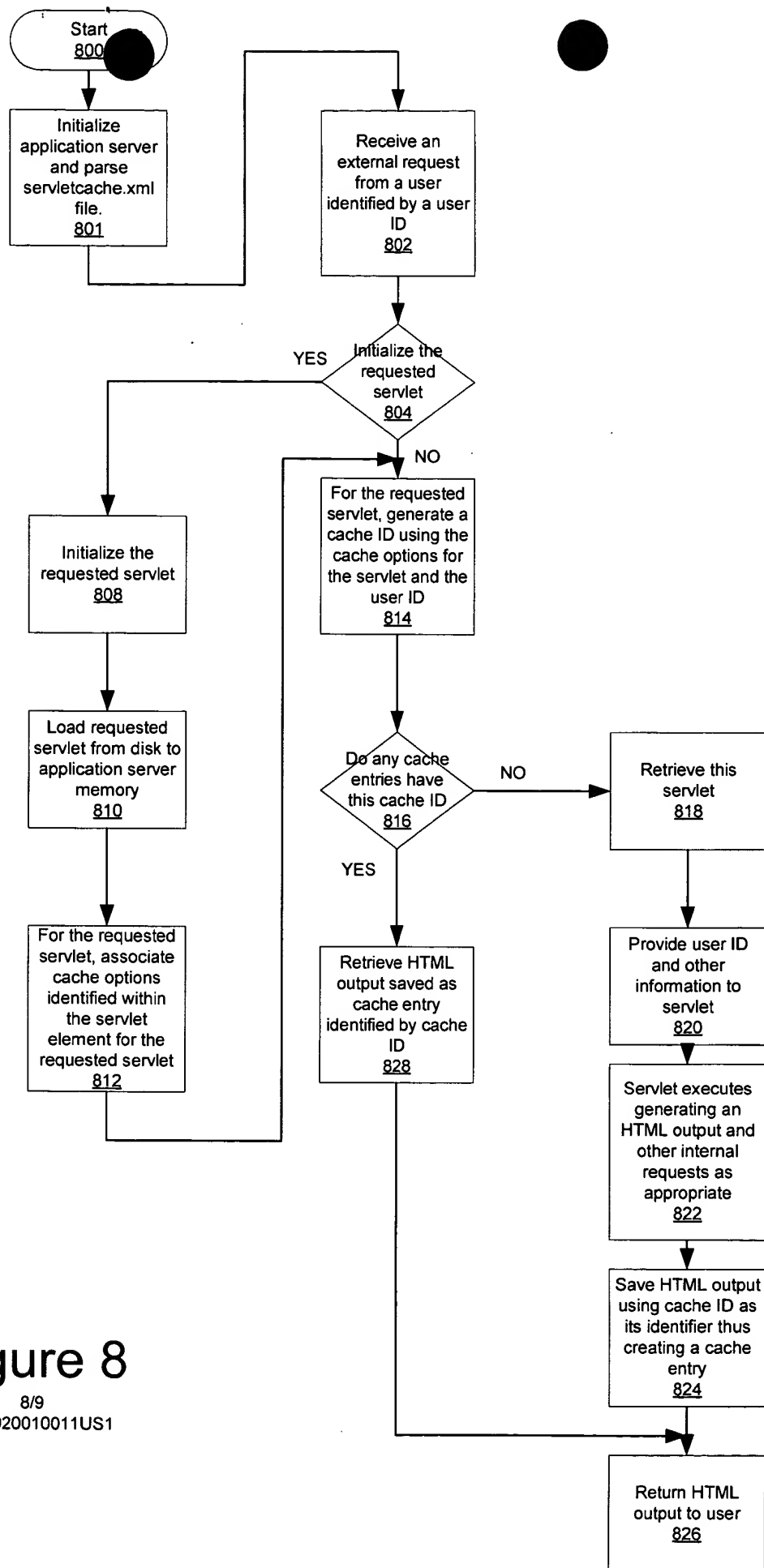


Figure 8

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graph TD
    Start([Start 900]) --> InitApp[Initialize application server and parse servletcache.xml file. 901]
    InitApp --> RecReq[Receive an internal request for a servlet with input variables defined 902]
    RecReq --> InitServlets{Initialize servlets 904}
    InitServlets -- YES --> InitReqServlet[Initialize the requested servlet 908]
    InitServlets -- NO --> GenCacheID[For the requested servlet, generate a cache ID using the cache options for the servlet and the input variables 914]
    InitReqServlet --> LoadServlet[Load requested servlet from disk to application server memory 910]
    LoadServlet --> AssocCacheOptions[For the requested servlet, associate cache options identified within the servlet element for the requested servlet 912]
    AssocCacheOptions --> InitServlets
    GenCacheID --> CheckCacheID{Do any cache entries have this cache ID 916}
    CheckCacheID -- YES --> RetHTMLCache[Retrieve HTML output saved as cache entry identified by cache ID 928]
    CheckCacheID -- NO --> RetServlet[Retrieve this servlet 918]
    RetServlet --> ProvideVars[Provide input variables and other information to servlet 920]
    ProvideVars --> ExecServlet[Servlet executes generating an HTML output 922]
    ExecServlet --> SaveHTML[Save HTML output using cache ID as its identifier thus creating a cache entry 924]
    RetHTMLCache --> ReturnHTML[Return HTML output to requesting servlet 926]
    SaveHTML --> ReturnHTML
  
```

Figure 9